

# Parthiv Patel

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## EDUCATION

### Purdue University

Aug. 2021 - May 2025

*Bachelor of Engineering in Computer Engineering, Minor in Business*

*West Lafayette, IN*

- Dean's List and Honors; GPA: 3.8/4.0
- Relevant Coursework: Introductory & Advanced C Programming, Object-Oriented Java

### Center Grove High School

Aug. 2017 - May 2021

*Diploma with Academic Honors*

*Greenwood, IN*

- GPA: 3.9/4.0; Class Rank: 16/680; Center Grove Academic Excellence Scholarship
- Relevant Coursework: AP Computer Science A & Principles, Analytical Foundation of Security

## EXPERIENCE

### Software Engineering Intern Lead

May 2022 - Aug. 2022

*IpserLab*

*West Lafayette, IN*

- Constructed a professional video conferencing web application using React frontend and Java server backend
- Devised a solution to bypass CORS error by deploying a proxy server to communicate to the Java server
- Pioneered 4 reusable and automated React components to modify and fetch data from JSON files
- Integrated open-source WebRTC code in order to establish up to 10 P2P connections within browser
- Managed a group of 3 interns and delegated work efficiently in order to solve over 8 coding errors

## PROJECTS

### Personal Website Portfolio | *React, Email JS, JavaScript, CSS, HTML, Git*

May 2022 - Aug. 2022

- Deployed a portfolio website utilizing React framework to display content and CSS to adapt content
- Implemented mapped components, CSS animations, and state objects to design a minimalist and efficient website
- Generated a Contact Us section employing forms, state object, and Email JS to receive messages via email
- Altered navigation bar to expand and collapse on hover for better user visibility

### Quiz Management System | *Java, Java Swing GUI, Git*

April 2022 - May 2022

- Innovated a robust Quiz Management System leveraging File I/O for data persistence, Concurrency, Polymorphism in Object-Oriented Java
- Differentiated permissions between teachers and students using public and private classes for courses and quizzes
- Devised user authentication and exception handling functionality to prevent application from breaking
- Surveyed 20 people regarding functionality and robustness of the code generating a 4.5/5-star review

### Wordle | *Python, Git*

Nov. 2021 - Dec. 2021

- Constructed a revamped version of the popular game Wordle using exception handling, File I/O, and NumPy
- Created a leaderboard of high scores with data persistence and displayed names and scores of top 5 players
- Applied 2 lists, 2 dictionaries, and an array to store pertinent game information

## LEADERSHIP

### Local Children's Teacher

May 2017 - Sept. 2022

*BAPS Swaminarayan Sanstha*

*Avon, IN*

- Presented weekly discourses regarding principles and stories of Hinduism to kids ages 5-8
- Arranged annual Kid's Diwali Celebration involving food, stage performances, inflatables, and activities
- Collaborated with other teachers bi-monthly in order to plan topics, media, and activities for each week

## TECHNICAL SKILLS

**Languages:** Java, Python, C, JavaScript, HTML, CSS, MATLAB

**Frameworks:** React, Node.js, Java Swing GUI, WebRTC, Tomcat

**Developer Tools:** Git, VS Code, Visual Studio, PuTTY, Netbeans